

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits  | Search Query                                                                           | DBs                                                                     | Default Operator | Plurals | Time Stamp          |
|-------|-------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------------------|---------|---------------------|
| L1    | 17791 | (313/498-512 315/169.1,169.3 428/690-691,917).ccls.                                    | US-PGPUB;<br>USPAT; USOCR                                               | OR               | ON      | 2009/08/17<br>10:58 |
| L2    | 97    | (block\$3 near1 (film layer))<br>with ((all every any) near1<br>charge)                | US-PGPUB;<br>USPAT; USOCR                                               | OR               | ON      | 2009/08/17<br>11:01 |
| L3    | 5     | 2 and 1                                                                                | US-PGPUB;<br>USPAT; USOCR                                               | OR               | ON      | 2009/08/17<br>11:01 |
| L4    | 92    | 2 not 3                                                                                | US-PGPUB;<br>USPAT; USOCR                                               | OR               | ON      | 2009/08/17<br>11:03 |
| L5    | 99    | (block\$3 near1 (film layer))<br>with ((all every any) near1<br>charge)                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/08/17<br>11:09 |
| L6    | 2     | 5 not (3 4)                                                                            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/08/17<br>11:09 |
| L7    | 14    | ((JANOS) near2 (VERES)).INV.                                                           | US-PGPUB;<br>USPAT; USOCR                                               | OR               | ON      | 2009/08/17<br>12:07 |
| L8    | 10    | ((SIMON) near2 (OGIER)).INV.                                                           | US-PGPUB;<br>USPAT; USOCR                                               | OR               | ON      | 2009/08/17<br>12:07 |
| L9    | 34    | ((STEPHEN) near2 (YEATES)).<br>INV.                                                    | US-PGPUB;<br>USPAT; USOCR                                               | OR               | ON      | 2009/08/17<br>12:07 |
| L10   | 43    | (7 8 9)                                                                                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/08/17<br>12:08 |
| L11   | 0     | 10 and (OLED<br>electroluminescent blocking<br>charge conduction movement<br>ink).clm. | US-PGPUB;<br>USPAT; USOCR                                               | AND              | ON      | 2009/08/17<br>12:09 |
| L12   | 0     | 10 and (OLED<br>electroluminescent blocking<br>charge conduction movement).<br>clm.    | US-PGPUB;<br>USPAT; USOCR                                               | AND              | ON      | 2009/08/17<br>12:10 |
| L13   | 0     | 10 and (OLED<br>electroluminescent blocking<br>charge conduction).clm.                 | US-PGPUB;<br>USPAT; USOCR                                               | AND              | ON      | 2009/08/17<br>12:10 |
| S1    | 6866  | (445/24-25 427/58,64,66).ccls.                                                         | US-PGPUB;<br>USPAT; USOCR                                               | OR               | ON      | 2008/03/20<br>17:04 |

|     |         |                                                                                                                                                                                                                                                  |                                                                         |    |    |                     |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----|----|---------------------|
| S2  | 3919641 | @ad< "20020806"                                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/20<br>17:06 |
| S3  | 3371    | S1 and S2                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/20<br>17:06 |
| S4  | 315     | S3 and organic and ink                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/20<br>17:08 |
| S5  | 315     | S4 and (("blocking layer")<br>pattern conduction color\$3<br>colour\$3 contrast anode<br>cathode point\$1 size densit\$3<br>insoluble colorant polymeric<br>binder printing stamping<br>lithography photo liquid solid<br>toner thick\$4 "3-D")  | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/20<br>17:11 |
| S6  | 19      | S5 and "blocking layer"                                                                                                                                                                                                                          | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/20<br>17:12 |
| S7  | 6866    | (445/24-25 427/58,64,66).ccls.                                                                                                                                                                                                                   | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>06:12 |
| S8  | 3919641 | @ad< "20020806"                                                                                                                                                                                                                                  | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>06:12 |
| S9  | 3371    | S7 and S8                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>06:12 |
| S10 | 315     | S9 and organic and ink                                                                                                                                                                                                                           | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>06:12 |
| S11 | 315     | S10 and (("blocking layer")<br>pattern conduction color\$3<br>colour\$3 contrast anode<br>cathode point\$1 size densit\$3<br>insoluble colorant polymeric<br>binder printing stamping<br>lithography photo liquid solid<br>toner thick\$4 "3-D") | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>06:12 |
| S12 | 19      | S11 and "blocking layer"                                                                                                                                                                                                                         | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>06:12 |
| S13 | 0       | S12 and (("blocking layer")<br>near5 (compris\$3 consist\$3))                                                                                                                                                                                    | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>06:12 |
| S14 | 2995    | (("blocking layer") near5<br>(compris\$3 consist\$3))                                                                                                                                                                                            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:13 |
| S15 | 1169    | S8 and S14                                                                                                                                                                                                                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:14 |
| S16 | 38      | S15 and (OLED OELD ("organic<br>electroluminescent"))                                                                                                                                                                                            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:15 |

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| S17 | 2     | S16 and method.ti.                                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:35 |
| S18 | 0     | S15 and method.in.                                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:37 |
| S19 | 334   | S15 and method.ti.                                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:37 |
| S20 | 12    | S15 and (method and blocking).<br>ti.                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:38 |
| S21 | 20943 | ("blocking layer")                                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:41 |
| S22 | 11223 | S21 and @ad< "20020806"                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:41 |
| S23 | 376   | S22 and (OLED OELD ("organic<br>electroluminescent")) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:42 |
| S24 | 62    | S23 and (blocking near5<br>(compris\$3 consist\$3))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:43 |
| S25 | 8     | S24 and method.ti.                                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:43 |

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| S26 | 0    | S23 and (blocking near10 (ink print\$3))                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:45 |
| S27 | 1    | S23 and (blocking near20 (ink print\$3))                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:46 |
| S28 | 261  | S22 and (blocking near20 (ink print\$3))                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:46 |
| S29 | 203  | S22 and (blocking near10 (ink print\$3))                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:46 |
| S30 | 0    | S29 and (OLED OELD ("organic electroluminescent"))                            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:47 |
| S31 | 1    | S23 and (blocking near20 (ink-jet ink print\$3))                              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:49 |
| S32 | 1    | S23 and (blocking near20 (ink-jet ink print\$3 photolithography lithography)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:50 |
| S33 | 1157 | S22 and (OLED LED OELD)                                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>06:59 |
| S34 | 373  | S22 and (organic near1 (electro \$1luminescen\$ luminescen\$6))               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>07:00 |

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| S35 | 1395 | S33 S34                                                                                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>07:00 |
| S36 | 50   | S35 and (blocking near10 (ink<br>ink-jet print\$3 photo<br>\$1lithography lithography)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>07:01 |
| S37 | 1157 | S22 and (OLED "LED" OELD)                                                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>07:03 |
| S38 | 47   | S37 and (blocking near10 (ink<br>ink-jet print\$3 photo<br>\$1lithography lithography)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>07:08 |
| S39 | 164  | S22 and (OLED OELD)                                                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>07:19 |
| S40 | 0    | S39 and (blocking near10 (ink<br>ink-jet print\$3 photo<br>\$1lithography lithography)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>07:20 |
| S41 | 1    | "20020197393".pn.                                                                       | US-PGPUB                                                                | OR | ON | 2008/03/21<br>08:29 |
| S42 | 59   | ("small molecule") near5 (print<br>ink\$1jet ink photo\$1lithography<br>lithographY)    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>08:39 |
| S43 | 52   | S42 and (OLED OELD organic)                                                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>08:39 |
| S44 | 10   | S43 and @ad< "20020806"                                                                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>08:41 |

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| S45 | 0        | ("2006/0208630").URPN.                                                                | USPAT                                                                   | OR | ON | 2008/03/21<br>08:45 |
| S46 | 135901   | "427".clas.                                                                           | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>09:06 |
| S47 | 1256     | (427/66).ccls.                                                                        | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>09:06 |
| S48 | 215      | S47 and (block\$3 near2 (layer film))                                                 | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>09:07 |
| S49 | 165      | S48 and (print ink ink\$1jet photolithography lithography)                            | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>09:08 |
| S50 | 144      | S49 and ("blocking layer")                                                            | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>09:09 |
| S51 | 19       | S50 and @ad< "20020806"                                                               | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>09:09 |
| S52 | 125      | S50 and @ad> "20020806"                                                               | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>09:19 |
| S53 | 125      | S52 and (print ink ink\$1jet photolithography lithography)                            | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>09:20 |
| S54 | 1        | S52 and ((print ink ink\$1jet photolithography lithography) near10 block\$3)          | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>09:20 |
| S55 | 92500    | (hole charge exciton electron carrier) near1 (block\$3 prevent \$3 barrier buffer\$3) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>14:25 |
| S56 | 54768    | (OLED OELD ("organic electroluminescent"))                                            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>14:26 |
| S57 | 25366167 | @ad< "20020806"                                                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>14:26 |
| S58 | 2694049  | (ink\$4 print\$3 photolithograph \$4 lithography ink\$1jet)                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>14:28 |
| S59 | 386      | S55 and S56 and S57 and S58                                                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>14:29 |
| S60 | 1        | "7271406".pn.                                                                         | USPAT                                                                   | OR | ON | 2008/03/21<br>14:30 |

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| S61 | 0  | S59 and ((hole charge exciton electron carrier) near1 (block\$3 prevent\$3 barrier buffer\$3) near5 (ink\$4 print\$3 photolithography lithography))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/21<br>14:52 |
| S62 | 0  | S59 and (block\$3 near5 ink)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>14:53 |
| S63 | 27 | S59 and (block\$3 near5 print \$3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>14:53 |
| S64 | 56 | ("20020158574"  <br>"20030068525"  <br>"20030105343"  <br>"20030124265"  <br>"20040062930"  <br>"20040106004"  <br>"20060051611"   "4215129"  <br>"4252671"   "5061569"  <br>"5166024"   "5256506"  <br>"5281489"   "5351617"  <br>"5408109"   "5508136"  <br>"5536588"   "5550290"  <br>"5621131"   "5681664"  <br>"5693446"   "5695907"  <br>"5707745"   "5708130"  <br>"5710097"   "5725989"  <br>"5728801"   "5792557"  <br>"5840217"   "5869350"  <br>"5900327"   "5929194"  <br>"5945502"   "5998085"  <br>"6030715"   "6074734"  <br>"6114088"   "6132641"  <br>"6150043"   "6169163"  <br>"6194119"   "6203933"  <br>"6214520"   "6221543"  <br>"6221553"   "6228543"  <br>"6228555"   "6242115"  <br>"6242152"   "6284425"  <br>"6329082"   "6358664"  <br>"6485884"   "6521324"  <br>"6664111"   "7094902").PN. | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/03/21<br>15:01 |
| S65 | 23 | "195736"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DERWENT                                                                 | OR | ON | 2008/03/21<br>15:41 |
| S66 | 1  | "2001195736"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DERWENT                                                                 | OR | ON | 2008/03/21<br>15:41 |
| S67 | 6  | "1195736"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | DERWENT                                                                 | OR | ON | 2008/03/21<br>15:42 |
| S68 | 0  | EP1195736A1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | DERWENT                                                                 | OR | ON | 2008/03/21<br>15:44 |
| S69 | 7  | "6424093"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | USPAT;<br>DERWENT                                                       | OR | ON | 2008/03/21<br>15:45 |
| S70 | 0  | EP1195376                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | EPO; DERWENT                                                            | OR | ON | 2008/03/21<br>16:09 |
| S71 | 0  | EP20011195376                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EPO; DERWENT                                                            | OR | ON | 2008/03/21<br>16:09 |

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| S72 | 0   | EP20010195376                                                                                   | EPO; DERWENT                                                            | OR | ON | 2008/03/21<br>16:09 |
| S73 | 0   | "20010195376"                                                                                   | EPO; DERWENT                                                            | OR | ON | 2008/03/21<br>16:09 |
| S74 | 855 | (OLED OLED electroluminescent) and (ink near40 print\$3 near40 conduct \$3)                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>11:21 |
| S75 | 213 | S74 and @ad<"20020806"                                                                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>11:21 |
| S76 | 48  | S75 and (conduct\$3 with reduc \$4)                                                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO; IBM_TDB                | OR | ON | 2008/04/09<br>11:22 |
| S77 | 489 | (OLED OLED electroluminescent) and (ink near40 print\$3 near40 (insulat \$3 dielectric buffer)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>11:26 |
| S78 | 143 | S77 and @ad<"20020806"                                                                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>11:27 |
| S79 | 115 | S78 and (print\$3 with (dielectric insulation buffer))                                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>11:28 |
| S80 | 110 | S78 and (ink with print\$3 with (dielectric insulation buffer))                                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>11:30 |
| S81 | 43  | S80 and (ink with color\$3)                                                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>11:42 |
| S82 | 3   | S81 and (ink with (point\$1 dot \$1))                                                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>12:05 |



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|-----|-----|------------------------------------------------------------------------|-------------------------------------------------------------------------|----|----|---------------------|
| S83 | 364 | (OLED) and (ink near40 print\$3 near40 conduct\$3)                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>12:14 |
| S84 | 32  | S83 and @ad<"20020806"                                                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>12:15 |
| S85 | 162 | (OLED) and (ink near40 print\$3 near40 (insulat\$3 dielectric buffer)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>12:16 |
| S86 | 162 | S85 and D@ad<"20020806"                                                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>12:17 |
| S87 | 7   | S85 and @ad<"20020806"                                                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>12:17 |
| S88 | 20  | S78 and (ink with (dot point))                                         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>12:37 |
| S89 | 2   | "20030063052".pn.                                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>12:40 |
| S90 | 118 | S85 and (ink\$1jet)                                                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>12:43 |
| S91 | 114 | S90 and (ink\$1jet with print\$3)                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>12:44 |

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|------|-----|------------------------------------------------------------------------|-------------------------------------------------------------------------|----|----|---------------------|
| S92  | 75  | S90 and (ink\$1jet with print\$3 with (dielectric insulat\$3 buffer))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>12:44 |
| S93  | 4   | S92 and @ad<"20020806"                                                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>12:45 |
| S94  | 79  | S90 and (ink\$1jet with (dielectric insulat\$3 buffer))                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>13:09 |
| S95  | 4   | S94 and @ad<"20020806" and (OLED)                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/09<br>13:10 |
| S96  | 1   | "6922020".pn.                                                          | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/04/11<br>13:24 |
| S97  | 5   | "94" and rebh.in.                                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>13:36 |
| S98  | 163 | (OLED) and (ink near40 print\$3 near40 (insulat\$3 dielectric buffer)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>13:36 |
| S99  | 118 | S98 and (ink\$1jet)                                                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>13:36 |
| S100 | 79  | S99 and (ink\$1jet with (dielectric insulat\$3 buffer))                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>13:36 |
| S101 | 0   | S100 and rebh.in.                                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>13:36 |

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|------|-----|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----|----|---------------------|
| S102 | 15  | rebh.in.                                                                                                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>13:36 |
| S103 | 15  | rebh.in.                                                                                                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>13:37 |
| S104 | 492 | (OLED OELD<br>electroluminescent) and (ink<br>near40 print\$3 near40 (insulat<br>\$3 dielectric buffer)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>13:51 |
| S105 | 53  | S104 and (ink with size)                                                                                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>13:51 |
| S106 | 11  | S105 and @ad<"20020806"                                                                                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>13:54 |
| S107 | 74  | S104 and (ink with (diameter<br>size))                                                                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>13:58 |
| S108 | 13  | S107 and @ad<"20020806"                                                                                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>13:58 |
| S109 | 19  | S104 and (ink with densit\$3)                                                                            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>14:10 |
| S110 | 1   | S109 and @ad<"20020806"                                                                                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>14:10 |

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|------|------|------------------------------------------------------------------------|-------------------------------------------------------------------------|----|----|---------------------|
| S111 | 1634 | (OLED OELD electroluminescent) and @ad<"20020806" and ink and print\$3 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>14:13 |
| S112 | 31   | S111 and (ink with densit\$3)                                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>14:14 |
| S113 | 13   | S111 and (ink with insoluble)                                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>14:21 |
| S114 | 550  | S111 and (ink\$1jet)                                                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>14:34 |
| S115 | 203  | S111 and (dielectric with thick \$4)                                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>14:53 |
| S116 | 75   | S111 and (wet\$4 with ink)                                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>15:15 |
| S117 | 25   | S111 and ("3-D")                                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>15:32 |
| S118 | 253  | S111 and (color\$3 with polymer \$2)                                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>15:50 |
| S119 | 2    | S111 and ((colorant with polymer\$2) near5 binder)                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>15:51 |

|      |      |                                                                                                                       |                                                                         |    |    |                     |
|------|------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----|----|---------------------|
| S120 | 34   | S111 and ((color\$3 with polymer \$2) near20 ink)                                                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>16:23 |
| S121 | 0    | S111 and (dielectric with thicker with than)                                                                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>16:57 |
| S122 | 0    | S111 and (dielectric with thicker near1 than)                                                                         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>16:58 |
| S123 | 7    | S111 and (dielectric with thicker)                                                                                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>16:58 |
| S124 | 2    | S115 and kim.in.                                                                                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>17:21 |
| S125 | 10   | S115 and kinlen.in.                                                                                                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/11<br>17:22 |
| S126 | 8    | ("20030063052" "6922020"<br>"7300686" "6855378"<br>"20030035917" "20040018379"<br>"20030030706"<br>"20030035972").pn. | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/04/12<br>06:45 |
| S127 | 1    | "5949186".pn.                                                                                                         | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/04/12<br>06:54 |
| S128 | 12   | (OLED) and ((dielectric insulat \$4 protect\$3 buffer) near3 (thicker)) and @ad< "20020806"                           | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/04/12<br>07:22 |
| S129 | 2    | (OLED) and ((dielectric insulat \$4 protect\$3 buffer) with thicker with conduct\$4) and @ad< "20020806"              | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/04/12<br>07:41 |
| S130 | 1392 | (OLED) and (thick\$4 near3 (dielectric insulat\$4 buffer))                                                            | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/04/12<br>07:48 |
| S131 | 252  | S130 and @ad< "20020806"                                                                                              | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/04/12<br>07:49 |

|      |       |                                                                                                       |                                                                         |    |    |                     |
|------|-------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----|----|---------------------|
| S132 | 110   | S131 and (thick\$4 near3 (electrode conduct\$3))                                                      | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/04/12<br>07:49 |
| S133 | 69    | S132 and (ink print\$3)                                                                               | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/04/12<br>08:08 |
| S134 | 4     | S133 and ((ink print\$3) with (dielectric insulat\$4 protect\$4 buffer))                              | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/04/12<br>08:09 |
| S135 | 200   | S131 and (thick\$4 with (electrode conduct\$4))                                                       | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/04/12<br>08:19 |
| S136 | 10    | S135 and ((ink print\$3) with (dielectric insulat\$3 protect\$3 buffer))                              | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/04/12<br>08:24 |
| S137 | 54830 | (OLED ("organic electroluminescent"))                                                                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/12<br>08:41 |
| S138 | 12137 | S137 and (@ad<"20020806")                                                                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/12<br>08:42 |
| S139 | 1725  | S138 and (thick\$4 with (electrode conduct\$3))                                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/12<br>08:43 |
| S140 | 742   | S139 and (thick\$4 with (dielectric insulat\$3 protect\$3 buffer passivat\$3))                        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/12<br>08:44 |
| S141 | 57    | S140 and ((ink inkjet ink\$1jet print\$3) with (dielectric insulat\$3 protect\$3 buffer passivat\$3)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/04/12<br>08:44 |
| S142 | 1     | "20030015962".pn.                                                                                     | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/04/12<br>09:44 |
| S143 | 2493  | 345/76.ccls.                                                                                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>14:46 |
| S144 | 646   | S143 and @ad<"20020806"                                                                               | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/08/20<br>14:46 |
| S145 | 11    | S144 and (block\$3 near1 (film layer material substance))                                             | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/08/20<br>14:47 |

|      |       |                                                            |                                                                         |    |    |                     |
|------|-------|------------------------------------------------------------|-------------------------------------------------------------------------|----|----|---------------------|
| S146 | 83513 | (block\$3 near1 (film layer material substance))           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/20<br>15:09 |
| S147 | 29616 | S146 and @ad<"20020806"                                    | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/08/20<br>15:09 |
| S148 | 192   | S147 and OLED                                              | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/08/20<br>15:09 |
| S149 | 83    | S148 not ((hole near1 block\$3) (electron near1 block\$3)) | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/08/20<br>15:24 |
| S150 | 59    | S149 not (light near1 block\$3)                            | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/08/20<br>15:24 |
| S151 | 49    | S150 not (exciton near1 block\$3)                          | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/08/20<br>15:25 |
| S152 | 1     | S145 and OLED                                              | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/08/20<br>15:47 |
| S153 | 15726 | (313/498-512 315/169.1,169.3 428/690-691,917).ccls.        | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/08/20<br>15:51 |
| S154 | 5935  | S153 and @ad<"20020806"                                    | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/08/20<br>15:51 |
| S155 | 672   | S154 and OLED                                              | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/08/20<br>15:51 |
| S156 | 287   | S155 and (block\$3)                                        | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/08/20<br>15:51 |
| S157 | 1     | "6066357".pn.                                              | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/08/20<br>16:04 |
| S158 | 330   | S144 and (block\$3)                                        | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/08/20<br>16:09 |
| S159 | 66    | S158 and OLED                                              | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/08/20<br>16:09 |
| S160 | 17    | S159 and ink                                               | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/08/20<br>16:09 |
| S161 | 3     | S159 and ink-jet                                           | US-PGPUB;<br>USPAT; USOCR                                               | OR | ON | 2008/08/20<br>16:10 |

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